TO THE PROPERTY OF THE PROPERT

LAJKO, Pal, dr.; VITTAY, Pal, dr.

Results in intravenous pyelography with new universal compressorium. Magy, radiol. 8 no.4:238-241 Nov 56.

1. As O.T.S.I. Korhama es Rendelo Intenete (Igazgato: Kovari, Aladar, dr.) Rontgenlaborato-riumanak (foorvos: Lajko, Pal, dr.) koslemenye.

(PYELOGRAPHY

intravenous, with universal compressorium, technic & results (Hun))

The second secon

CSAKANY, Gyorgy, dr.; VITTAY, Pal, dr.; VOLNI, Gyorgy, dr.; BARSY, Gyula, dr.

Therapeutic radiation injury in the population of Budapest. Orv.hetil. 101 no.46:1632-1634 13 N'60.

1. Orszagos Rontgen- es Sugorfizikai Inteset. (RADIOTHERAPY compl)

to the presentation of the present the pre

Disturbances in the renal regulation of fluid and electrolyte balance in acute infectious diseases. Acta Paediat. Acad. Sci. Hung. 2 no 4:329-342 '61.

1. Laszlo Hospital (Director, Dr. J.Roman), Budapest. (COMMUNICABLE DISEASES compl.) (KIDNEY pathol.)

(WATER_ELECTROLYTE BALANCE)

VITTAY, T.

HUNGARY / General Problems of Pathology. Shock.

U-4

Abs Jour

: Ref Zhur - Biol., No. 10, 1958, No 46752

Author

: Kovach, A. G.; Fonyo, A.; Vittey, T.; Pogatsa, G. : Academy of Sciences People's Republic of Hungary

Inst Title

: Oxygen and Glucose Consumption and Nexokinase Activity in Vitro of Brain Tissue of Rats in Traumatic Shock.

Orig Pub

: Acta physiol. Acad. sci. hung., 1957, II, No. 2, 173-180.

Abstract

: Brain tissue (nicroscopic sections and homogenates) of rats was examined after the rats were killed during terminal stages of shock which was caused by liquid air freezing of the animals' both hind legs, or when they were in the state of a severe anoxia following a 2-hour stay in a low pressure chamber (160-180 mm of the mercurial column). Both microscopic sections and homogenates of the cerebral cortex did not show any differences as to glucose consumption. The glucose consumption of the brain tissue did not

Card 1/2

24

HUNGARY / General Problems of Pathology. Shock.

U-4

Abs Jour

: Ref Zhur - Biol., No. 10, 1958, No 46752

Abstract

edecrease (it decreased, however, in muscular tissue). Hexokinase activity of the brain rose from 3.34 plus/minus 0.08 mg/kg to 4.05 plus/minus 0.08 mg/kg during the period of 5 minutes and the average hourly consumption of 02 rose from 2.42 to 2.65 mu 1/mg. According to data available, in literature, the consumption of hexokinase in arterial hypoxia decreases in the same proportion as the consumption of 02. Thus, biochemical changes in the brain cannot be ascribed solely to anoxia during shock, for apparently other changes are involved as well.

Card 2/2

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VIII Ay, I.
           FONYO, A.; KOVACH, A.G.B.; VITTAY, T.; POGACSA, G.
                 In vitro consumption of glucose and ATP synthesis in brain tissue in
                 animals in shock. Acta physical. hung. Suppl. 10.6:25-26 1954.
                 1. Physiologisches Institut der Medizinischen Universitate, Budapest.
                       (GLUCOSE, metab.
                          consumption by brain homogenates in exper. shock)
                       (SHOCK, exper.
                          eff. on glucose consumption & ATP synthesis by brain
                          homogenates)
                       (BRAIN, metab.
                          glucose consumption & ATP synthesis, eff. of exper.
                          shock)
                       (ADENYLPHROPHOSPHATE, metab.
                          synthesis by brain homogenates, eff. of exper. shock)
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GALAMBOS, Marton, dr.; VITTAY, Tibor, dr.

Disorders of renal regulation and maintenance of water electrolyte balance in acute infectious diseases in children. Orv.hetil. 102 no.31:1457-1463 30 Jl '61.

1. Fovarosi Laszlo korhaz.

(WATER BLECTROLYTE BALANCE in inf & child) (COMMUNICABLE DISEASES in inf & child)

KOVACH, Arisztid; FONYO, Attila; VITTAY, Tibor; POGATSA, Gabor

Molecular oxygen and glucose consumption and hexokinase activity in brain tissues in vitro in traumatic shock of rats. Kigerletes orvostud. 9 no.2:179-184 Apr 57.

1. Budavesti Orvostudomanyi Egyetem Elettani Interete. (SHOCE, exner.

eff. on oxygen & glucose consumption & hexokinase activity in rat brain tissues (Hun))

(BRAIN,

eff. of exper. shock on glucose & oxygen consumption & hexokinase activity in rat tissues (Hun))

(GIUCOSE, metab.

brain, eff. of exper. shock on consumption in rat tissues (Hun))

(TRANSPHOSPHORYLASES

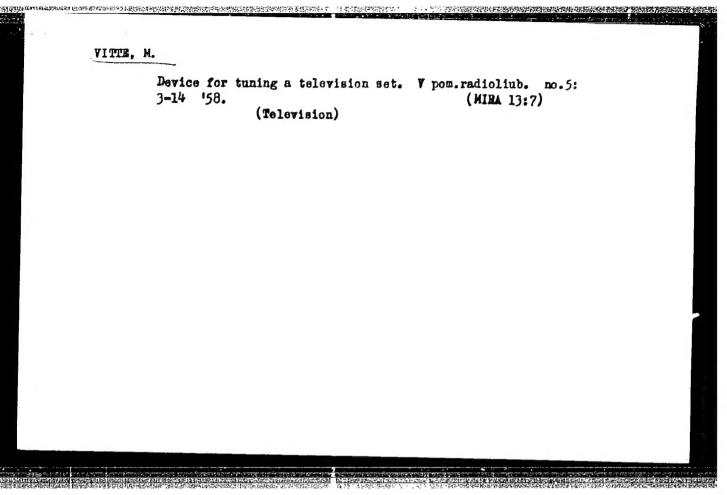
hexokinase activity in brain, eff. of exper. shock in rats (Hun))

VITTE, M.K.

nen kembanan merangan merangan merekaran nagangan engang perdagan perdagan perdagan perdaga berang perdagan na

Order of teaching a course in normal human physiology. Fiziol. zhur. [Ukr.] 1 no.6:133-135 N-D *55. (MLRA 10:1)

1. Vinnits kiy medichniy institut, kafedra normal noi fiziologii. (PHYSIOLOGY-STUDY AND TRACHING)



Vitto PIK

USSR/General Division. History. Classics. Personnel.

A-2

Abs Jour: Ref. Zhur. Biologiia, No 4, 1958, 14153.

Author : Vitte M.K.

Inst :

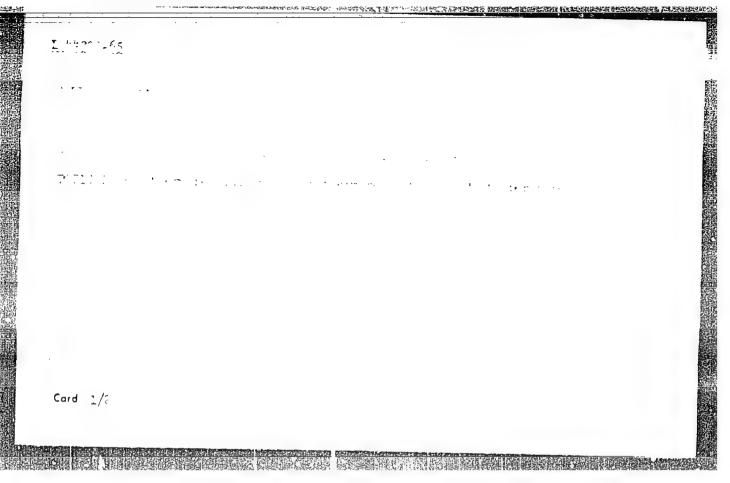
: Vasiliy Iurevich Chagovets (On the 15th Anniversary of His Death)

Orig Pub: Fiziol. zh. AN URSR, 1956, 2, No 5, 3-11.

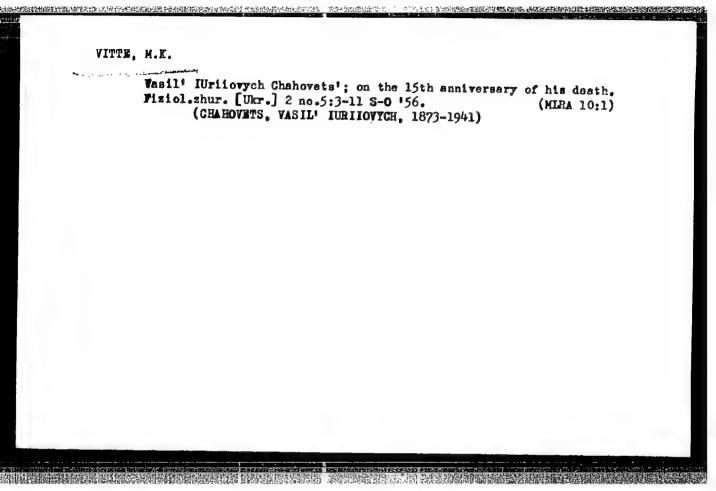
Abstract: No abstract.

Card : 1/1

-25-







VITTE, F.K., prefesser; SHUHUPOVA, Ye.A., redaktor; Gitshteyn, A.D., teknicheskiy redaktor.

是我们的一种,我们就是我们的一种,可以是是我们的一种,我们就是我们的一种,我们是我们的一种,我们就是我们的一个一个一个一个一个一个一个一个一个,我们也不是我们的

[I.V.Pavlov's teachings concerning the physiology of the higher nervous activity; a manual for the independent study of I.P. Pavlov's works] Uchenie I.P.Pavlova o fisiologii vysshei nervnoi deiatel'nosti; v pomoshch' samostoiatel'no isuchaiushchim trudy I.P.Pavlova. Kiev, Gos. med.isd-vo USSR, 1954. 13. (MIRA 9:5) (Psychology, Physiological)

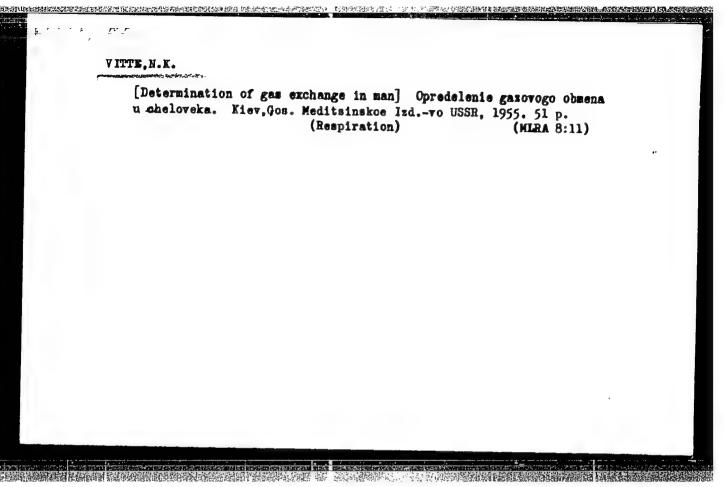
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VITTE, N.K., prof.; MIZRUKHIN, I.A., prof.; TOPCHIYEVA, Ye.P., kand.med.

Change in thermoregulation in schizophrenics during treatment.with aminazine. Vrach. delo no.4:97-100 Ap '61. (MIRA 14:6)

l. Kafedra psikhiatrii (zav. - prof. I.A.Mizrakhin) i kafedra normal'noy fiziologii (zav. - prof.N.K.Vitte) Vinnitskogo medi - tsinskogo instituta.

(SCHIZOPHRENIA) (CHLORPROMAZINE) (BODY TEMPERATURE)



AID P - 2459

VITTE, N.K.

Subject : USSR/Medicine

Card 1/2 Pub. 37 - 6/18

: Bukhovets, V. I., Kand. of Med. Sci., Val'chuk, N. K., Kand. of Biol. Sci., Vitte, N. K., Prof., Gabovich, R.D., Prof., Topchieva, Ye. P., Kand. of Med. Sci. Authors

Title Comparative physiological and hygienic evaluation of

the conditions of work on tractors

Periodical: Gig. i san., 6, 26-33, Je 1955

Abstract Describes the scientific research work conducted by different departments of the Vinnitsa Medical Institute

since January 1954, for the study of health conditions

of tractor operators depending on the structural characteristics of caterpillar and wheel tractors of different make, on the type of agricultural work and daily schedule, climate, weather, etc. The investigations were performed chiefly at the Vinnitza Machine Tractor Station Base during the Sowing Campaign of the spring 1954. The effect of noise, of dust content and carbon

Gig. 1 san., 6, 26-33, Je 1955

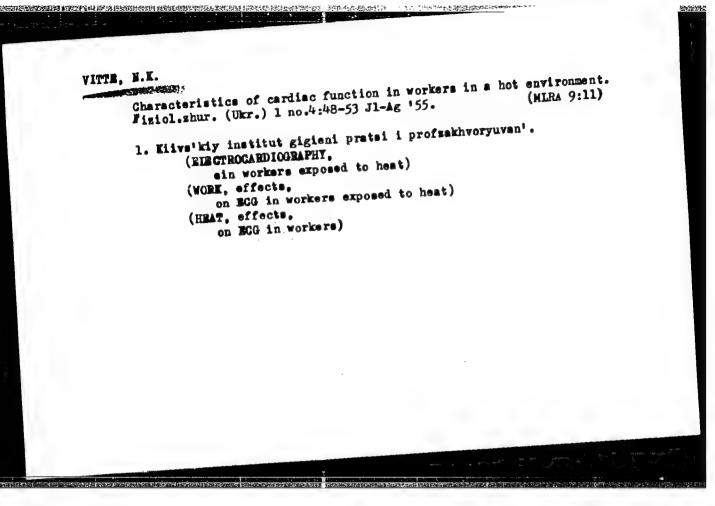
AID P - 2459

Card 2/2 Pub. 37 - 6/18

monoxide concentration in the air, and of special structural features of tractors on the physiological reactions of operators are analyzed. Recommendations are made. 4 tables.

Institution: Vinnitsa Medical Institute

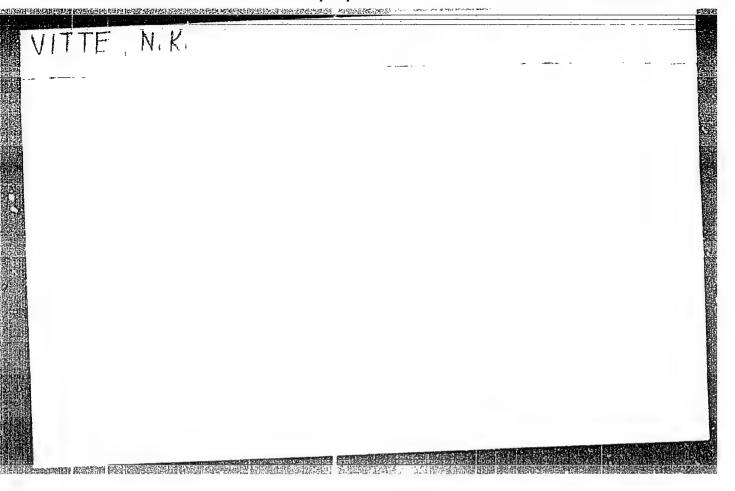
Submitted : Sept. 18, 1954



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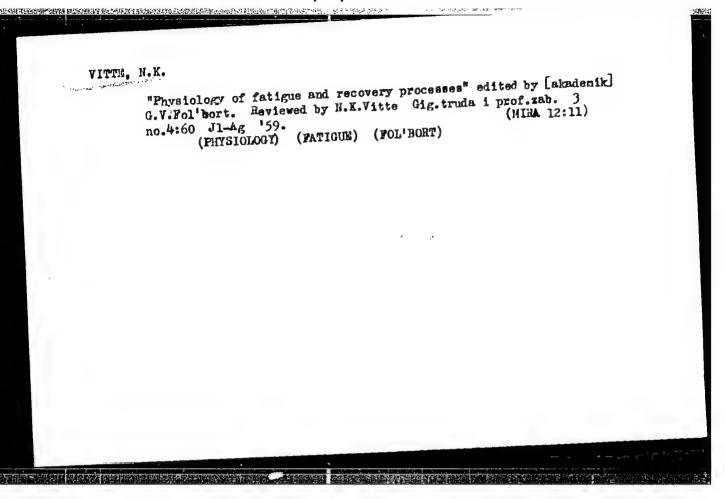
VITTE Hikolay Karlovich, professor; GLUZMAN, F.A., redaktor; GITTSHEYN, A.D., tekhnicheskiy redaktor

[Thermal exchange in the human body and its hygienic significance]
Teplovoi obmen cheloveka i ego glgienicheskoe znachenie. Kiev. Gos.
med. izd-vo USSR, 1956. 147 p.
(BODY TEMPERATURE)



"APPROVED FOR RELEASE: 09/01/2001

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TO THE RESIDENCE PROPERTY OF THE PROPERTY OF T

VITTE, N.K.; MIZRUKHIN, I.A.; TOPCHIYEVA, Ye.P.

Registration of cerebral and cardiac bioelectric potentials in schizophrenics during sleep. Zhur.nevr. i psikh. 59 no.4:416-421 '59.

1. Kafedra psikhiatrii (zav. - prof.I.A.Misrukhin) i kafedra fiziologii (zav. - prof.N.K.Vitte) Vinnitskogo meditsinskogo instituta.

(SCHIZOPHRENIA, physiol.

ECG & EEG during sleep (Rus))
(ELECTROCARDIOGRAPHY, in var. dis.

schizophrenia, during sleep (Rus))
(ELECTROENCRPHALOGRAPHY, in var. dis.
same)

(SLEEP, physiol.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860130001-1"

BCG & EEG in schizophrenics (Rus))

VITTE, N.K. [Vitte, M.K.]

Thermoregulation in man in the light of cybernetics. Fiziol. zhur. [Ukr.]
11 no.1:32-36 Ja-F '65.

1. Laboratoriya fiziologii i gigiyeny truda Instituta gerontologii ANB SSSR, Kiyev.

VITTE, Nikolay Karlovich; SIZENKO, S.F., red.

[Development of medical science in the Ukreine] Rozvytok
medychnoi nauky na Ukraini. Kyiv, Zdorov'ia, 1965. 51 p.
(MIRA 18:9)

!	sov/99-59-6-13/13	op Irrigation Mechani-	1, 1959, Nr 6, pp 61-64,	naference on Problems of ion in the USES called [saledowate] why insta- lature heckenistin) ulture heckenistin) by to 22, 1959. The problems of sprinkling. were represented in it: economy corporations, contagn corporations.	priess planning of gaintering, interpretable of the consistent of	tanies sealin serios (see Equipment and Machinery tanies sealin sereton of the MED 1828), lectured man "Presert-Day Condition and Work Outlook for the Greetian of Sew Sprinkers"; Candidare of Technical Sciences B. 12. "Lebedery 1825Doll." on his institute's laboratory work "Thinling and Formal and Education of Technical Education of Technical Candidare of Technical Candidare of Technical Candidare of Technical Sciences VI. Ed. International Candidare of Technical Candi	the Urraine; I.P. Witte Senior Scientals, warrer. and Bepresstative of the Tabiliois, on sprink- ing sechanisation; Al. Errain, Scientific Score- ing sechanisation; Al. Errain of Scientific Score- of another of Arrain of the Center Doruchaywe, chaywe (Institute of Arrain of Scients Cher- ons solie sprinking system in Sciental Cher- noses Zone; D. Estinge, Chief Arronnist of the magnitude of the interpretation of the Scient of togorat Milk and regetables and potatoes in Scuther Grai, Engineer-Educatednician Pit urryer on Grai, Engineer-Educatednician Pit urryer on Grai, Engineer-Educatednician Pit urryer on graining cetten at the Scrinks 'Pahlinker's with an expedition of the Banizzi doing appraisal work.	DECOMPANDE & L. BR.2
		Sharow, M.A., Engineer Conference on Problems of Crop Irrigation Mechani-	sation in the USSR Gidrotekhnika i melioratelya, 1959, Nr 6, pp 61-64, (USSR)	The article describes the Conference on Problems of Grops Irrigation Mechanisation in the USSR called Crops Irrigation Mechanisation in the USSR called by the Vascovity hawhorisaledowtel'sky institute of the Conference of Adillon Besearch Institute of Agiculture Sechanisation) and hald in Mescow from March 18 to 21, 1959. The conference was dedicated to problems of sprinkling. The following comparison were respectable to the following compared in its research institutes, water economy corporations institute on the conference of	offices from the Uzoke, Urzep general and Kirgis, Essath, Georgian, Kirgis, Essath, Gille, 2007, as well as po-cekhnicheskiy koutet pro- cette Scientifo and Technic to whe Ministers Council of the conference was attended by and representatives of at- the conference bad its pas and made several decisions and made several decisions and made several decisions and made several decisions and made several decisions there we are the spec- tal and seade several decisions and made several decisions and made several decisions and made several decisions there is the sead of the sead the sead of the sead of the sead the sead of the se	The ting and in META SISSE (We tended and the second of th	the Unraine; I.P. Witte. and Beresatative of the ling mechanisative of the factor establing of on a mobile spinaling version amolic spinaling version on spinaling versions brait Engineer Hydrotechnism am expection of the Balling	M: Clavedthos Milh SSSR
	14(10)	AUTHOR:	PERIODICAL	ABSTRACT:	Gard 1/4	Card 2/	Per Na	ABSOCIATION: Card 4/4

- 1. VITTE, ZH. A.
- 2. USSR (600)
- 4. Dairy Cattle Latvia
- 7. Increased yield of cows on state farms of the Latvian S.S.R. Sots. zhiv. 14 no. 10, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

(MUSCLES)

HOJA, S.; VITTEK, J. Effect of royal jelly on regeneration. Folia biol. 9 no.3: 230-232 63. 1. Department of General Biology, Faculty of Medicine, Comenius University, Bratislava.
(BEES) (WOUND HEALING)

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CZECHOSŁOVAKIA

VITTEK, J; KRESAMEK, J

1. Chair of General Biology (Katedra pre vseobecnu biologiu), Bratislava; 2. Chair of Stomatology of the Medical Faculty UK (Katedra stomatologic Lekarskej fakulty UK), Bratislava; 3. Chair of the Pharmacology of the Pharmaceutical Faculty UK (Katedra farmakognozie Farmaceutickej fakulty UK), Bratislava

Bratislava, Farmaceuticky obzor, No 4, 1963, pp 163-169

"Drugs from Higher Plants with an Antibacterial Effect."

VITTEK, Jozef, dr.

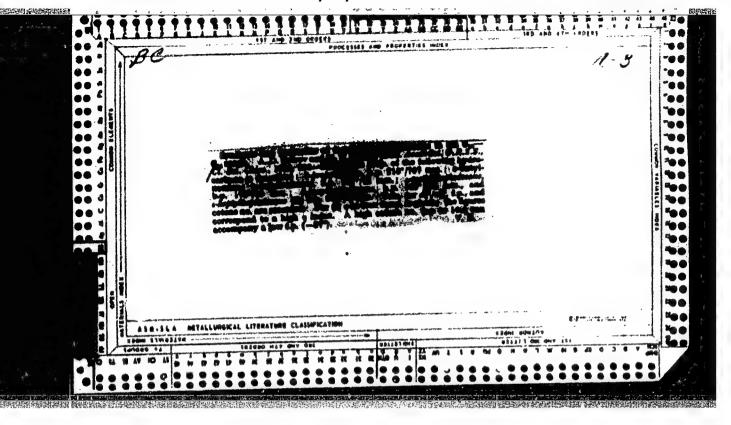
Appropriate extract solutions for acquisition of phytoncides of plants in raw extracts. Biologia 16 no.7:540-544 161.

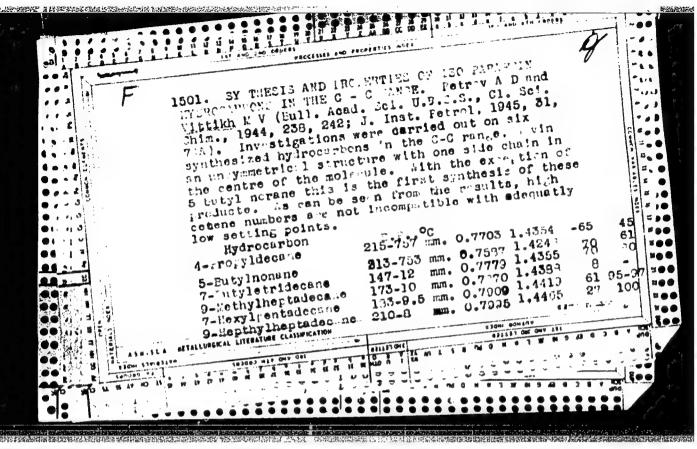
1. Katedra pre vseobecnu biologiu lekarskej fakulty Univerzity Komenskeho, Bratislava, Sasinkova 4/a.

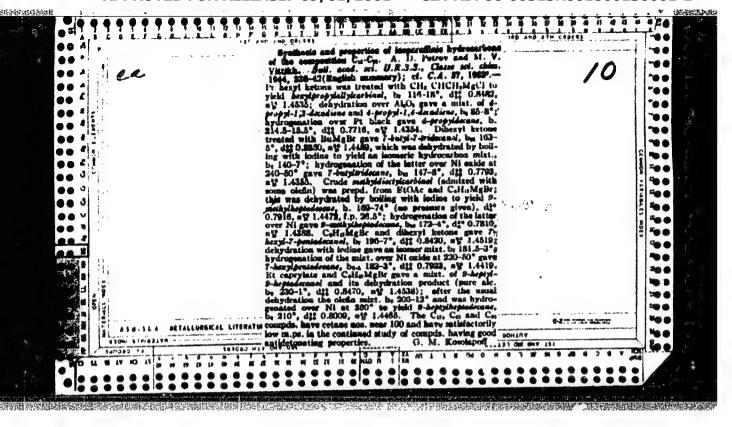
(PHYTONCIDES)

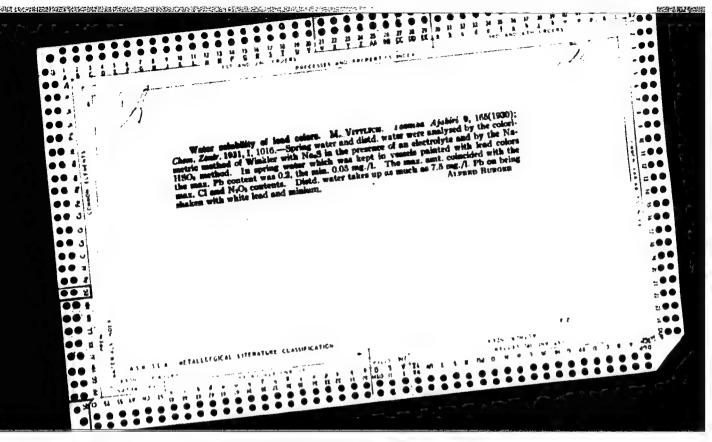
VITTEK, Ludovit (Cerova-Lieskove c.58, okres Senica)

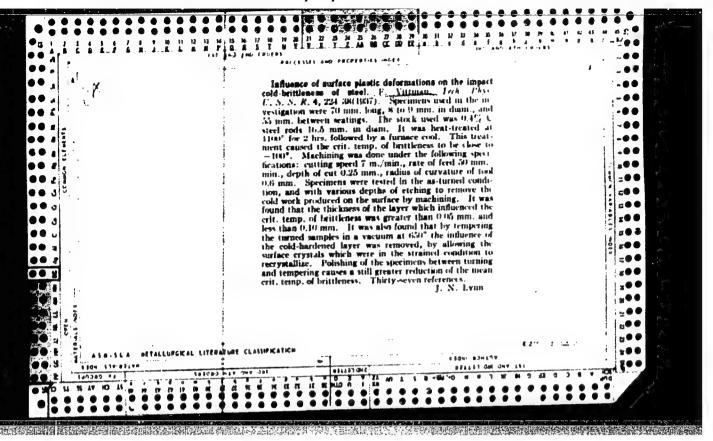
Perfect dissection of a square into 25 squares. Not fyz
cas SAV 14 no.3:234-235 '64.

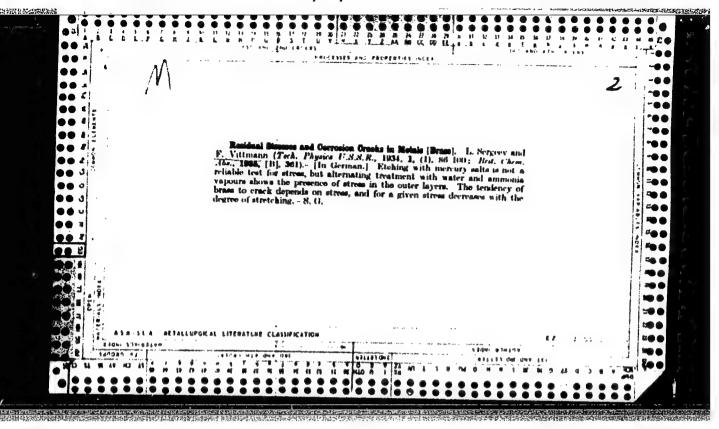


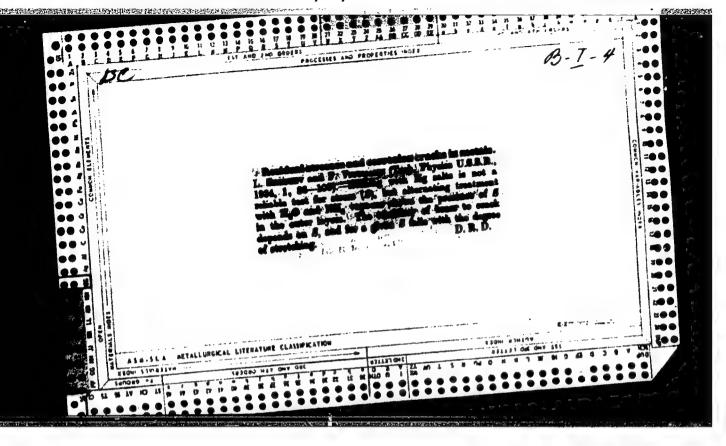


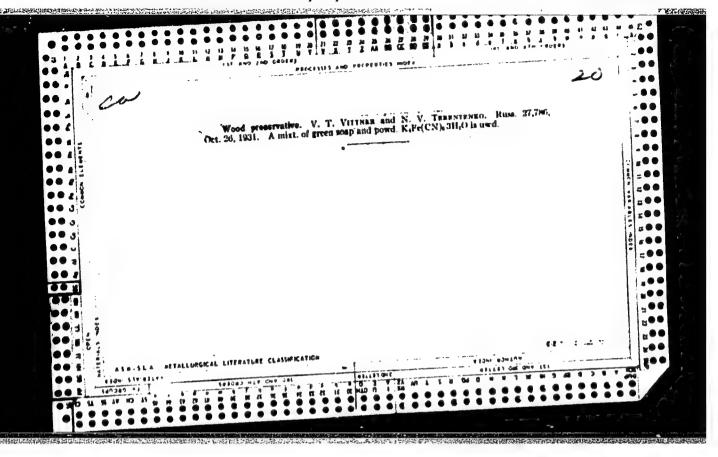












SELIVERSTOVA, L.Ya.; VITTENBERG, F.I.

Purification of hydrogen in a highly efficient mechanical absorber. Masl.-zhir.grom. 26 no.1:34-36 Jz. '60. (MIRA 13:4)

1. Mosgidrozayod. (Hydrogen) (Absorption)

VITTENBERG, F.I.; SELIVERSTOWA, L.Ya.

Drying of hydrogen by silica gel. Masl.-zhir.prom. 25
no.11:15-17 '59. (MIRA 13:3)

1. Mosgidromavod. (Hydrogen)

VITTENBURG, Pavel Vladimirovich; DER'GIN, Yu.f., red.; TOKAREVA, T.N., ved. red.

[Fractical handbook for geological engineers] Frakticheskoe rukovodstvo dlia tekhnikov-geologov. Izd.2., perer. i dop. Leningrad, "Redra", 1964. 486 p. (NIRA 17:8)

- 1. VITTE, Zh. A.
- ·2. USSR (600)
- 4. Latvia Dairy Cattle
- 7. Increased yield of cows on state farms of the Latvian S.S.R. Sots. zhiv. 14, No. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

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BELONOZHKO, G.A., kandidat meditsinskikh nauk; YITTH DROZDOVSKAKI, W.I. kandidat meditsinskikh nauk; KEFELI, Ye.I., [deceased] kandidat meditsinskikh nauk; SHCHEPOTIN, B.M., kandidat meditsinskikh nauk

Using unithiol, a new antidote, in poisoning by arsenic and mercury compounds. Vrach. delo no.1:87 Ja '57 (MIRA 10:4) (ARSHMIC--TOXICOLOGY) (THIOLS) (MERCURY-TOXICOLOGY)

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O PATROLOGICA PROGRAMMENTO PROG

"Use of the New Antidote Unithiol in Intoxications by Arsenic and Mercury Compounds," by Candidates of Medical Sciences G. A. Belonozhko, V. I. Vitte-Drozdovskaya, Ye. I. Kefeli, and B. M. Shehepotin, Chair of Therapy, Sanitary-Hygiene Faculty, Kiev Medical Institute and Laboratory of Experimental Therapy, Ukrainian Scientific-Research Sanitary-Chemical Institute, Vrachebnoye Delo, No 1, Jan 57, p 87

The article reports results of the use of unithiol in the therapy of intoxications by arsenic and mercury compounds. Most of the patients were in serious condition when received at the clinic. Treatment with unithiol began at various times following intoxications. In addition to unithiol, other means of therapy were administered, i.e., washing of the gastro-intestinal tract, subcutaneous injections of 5 percent solutions of glucose and physiological solution, and cardiac stimulants. All the patients recovered and were released in a satisfactory condition. Unithiol produced no side effects. On the basis of the results obtained, it was concluded that unithiol was an effective therapeutic agent in intoxications caused by arsenic and mercury compounds. (U)

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IVANOVA, R.M.; ASHRAFI, R.I.; HURIKOVA, Ye.M.; <u>VITTENBURG</u>, Z.V.; ZARETSKAYA, A.R.; NAZAR'YEVA, M.S.; RAFIYENKO, D.V.; BURAKOVA, G.Ye.; KUTSENKO, I.T.; KAS'YANOVA, Ye.M.; PERSHIN, S.P., inzh.

Observations on the stability of track. Put' i put.khoz. no.10:6-7 0 '59. (MIRA 13:2)

1. Studenty Moskovskogo instituta inzhenerov zheleznodorozhnogo transporta (for all except Pershin).

(Railroads--Track)

VITTENBURG, P.V.; SHVEDE, Ye.Ye., prof., kontr-admiral, otv.red.;

***TROLOT; A:A., red.izd-va; KRUGLIKOVA, H.A., tekhn.red.

[Life and scientific work of E.V.Tolli]. Zhizn' i nauchnaia deiatel'noat' E.V.Tollia. Moskva, Izd-vo Akad.nauk SSSR,
1960. 243 p.

(Toll', Eduard Vasil'evich, 1858-1902)

(Toll', Eduard Vasil'evich, 1858-1902)

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The Arctic countries, 1914-1924 Leningrad, Redaktsion.o-Ledatel'skii ottel korskogo vedomstva, 1924. 182 p. maps. (51-53458)
G580.k3
1. Arctic regions. 2. Anterctic regions
and the second

VITTENBURG, P. V.

Thermal Regime and well water in the Permafrost zones of Vaygach and Amderma Islands. Problemy Arktiki. No 9, 1939

SO: Trudy Arkitcheskogo Nauchno-Issledovatel'skogo Instituta, GUSMP, Council of Ministers, Vol 201, 1948

TOLL, Eduard Vasil'yevich, Baron von; VITTENBURG, Z.I. [translator]; VITTENBURG, P.V., red.

[Voyage in the yacht "Zaria"] Plavanie na iakhte "Zaria."

Moskva, Gos.izd-vo geogr.lit-ry, 1959. 337 p. [Translated from the German].

(Arctic regions)

VITTEMENG, Pavel Vindimirovich. Mesterorhdenie rhelemnoi ruly raione Kol'skoro zaliva. Petrograd, 1920. (Trudy Savernoi acuchno-promyslovoi eksne iitaii, no. //)

DIC: Unclass.

SO: 10, Soviet Geography, Part I, 1951, Uncl.

VITTEMBURG, Pavel Vladimirovich............Mestorozhdenie zholeznoi rudy v raione Kol'skogo zaliva. Petrogra, 1020. 7 p. (Trudy Severnoi nauchno-promyslovoi ekspeditsii; vyp. 4).

S0: LC, Soviet Geography, Part II, 1951/Unclassified

VITTEMBURG, Pavel Vladimirovich, ed. ... Problemes geophysiques de la Lakoutie.

Recueil d'articles avec ... un resume en anglais. Leningrad, 1922. ix, 252, p.

(Akademiia Nauk. Komissiia po izucheniiu IAkutskoi avtonomnoi sovetskoi sotsialisticheskoi respubliki. Materialy. Vyp. 11.)

Text in Russian.

Bibliography in footnotes to Préface.

NN

SO: IC, Soviet Geography, Part II, 1951/Unclassified

BOYTSOVA, Ye.P.; VITTENBURG, P.V.; GAMESHIN, G.S.,; GROMOV, V.I.,; ZUBAKOV, V.A.; IVANOVA, I.K.; KRASNOV, I.I.; LUNGFRSGAUZEN, G.F.,; MIKIFOROVA, K.V.; POKROVSKAYA, I.M.; CHEMEKOV, Yu.F.; EPSHTEYE, S.V.; YAKOVLEVA, S.V.

VITTEMBURG, Pavel Vladimirovich. IAkutiin; sbornik statei; pod red. P.V. Vittenburga.
Leningrad, AN SSSR, 1927. 746 p.
GSt GSt-H Cty ICU MIU NN

SO: IC, Soviet Geography, Part II, 1951/Unclassified

VITTENBERGER, N.G. (Mukachevo, Zakarpatskoy obl., ul. Bogomol'tsa, d.1)

Apparatus for gastric resection and closed gastrointestinal anastomoses and our experience in using it. Nov.khir.arkh. no.1:74-77 Ja-7 '58

1. Enirurgicheskoye otdeleniye (zav. - N.G. Vittenberger) Mukachevskoy gorodskoy bol'nitsy.

(ALIMENTARY TRACT-SURGERY)

(SURGICAL INSTRUMENTS AND APPARATUS)

TOLL, Eduard Vasil'yevich, Baron von; VITTEMBURG, Z.I. [translator]; VITTEMBURG, P.V., red.

[Voyage in the yacht "Zaria"] Plavanis na iakhte "Zaria."

Moskva, Gos.izd-vo geogr.lit-ry, 1959. 337 p. [Translated from the German].

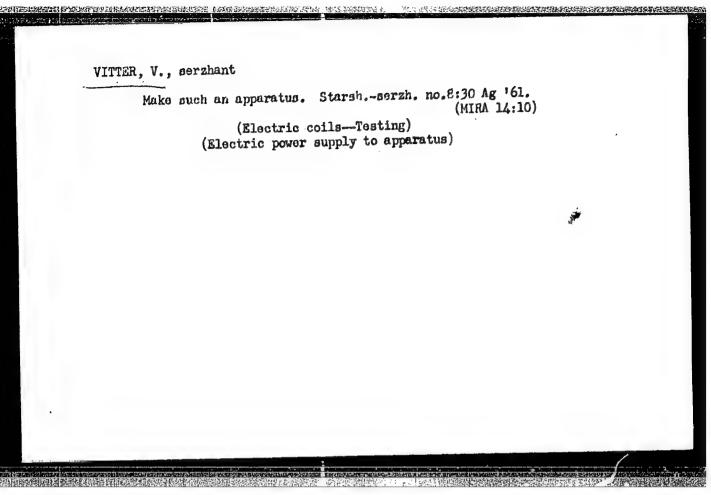
(Arctic regions)

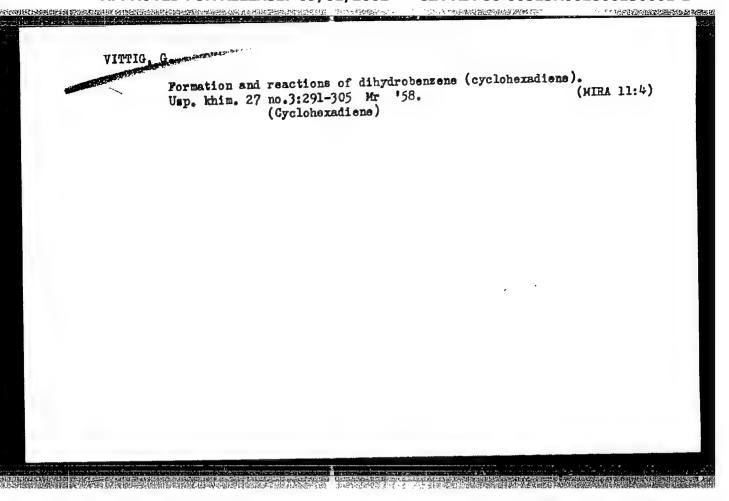
(Arctic regions)

VITTER, L.H.

Two cases of pregnancy in the rudimentary horn of the uterus. Zdrav.Turk. 3 no.3:37-39 My-Je 159. (MIRA 12:11)

l. Glavnyy akusher-ginekolog Maryyskogo obladravotdela. (PREGNANCY, COMPLICATIONS OF)

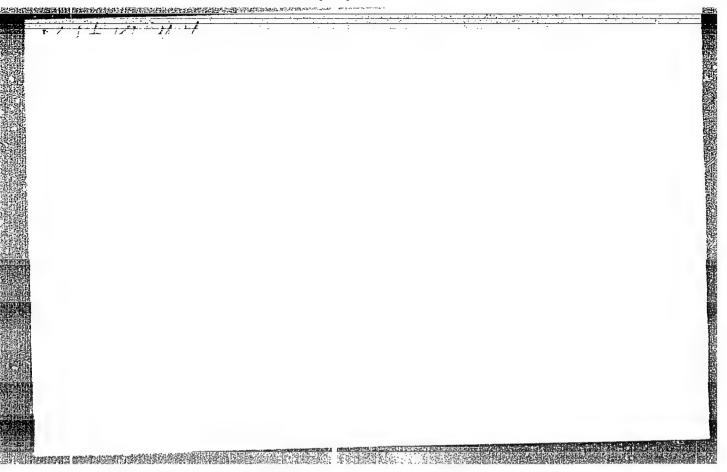


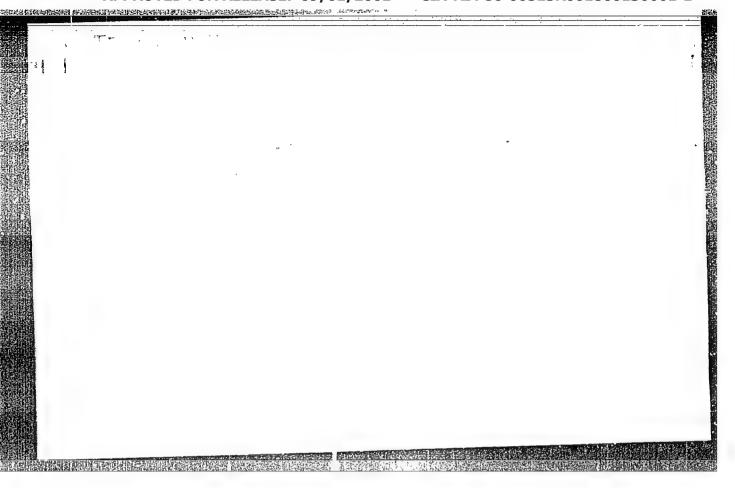


VITTIG, G. [Wittig, G.] prof., (Federativnaya Respublika Germanii)

Cyclic acetylenic hydrocarbons with a small number of carbon atoms in the ring. Zhur. VKHO 7 no.41362-366 '62. (MIRA 15:3)

(Hydrocarbons) (Acetylene compounds)





SHAROVA, A.K.; CHUFAROVA, I.G.; VITTIKH, M.V.; SHOSTAK, F.T.

Recovery of germanium from dilute solutions by an ion exchange method.

Izv. Sib. otd. AH SSSR no.8:36-42 159. (MIRA 13:2)

1. Ural'skiy filial AN SSSR.

(Germanium-Analysis) (Ion exchange)

VITTIKH, M.V.; GOROKHOLINSKIY, Yu.S.

Ural Scientific and Industrial Conference on Ion Exchange
Resins. Plast.massy no.3:77-79 '60. (MIRA 13:6)

(Ion exchange—Congresses) (Resins, Synthetic)

SHOSTAK, F.T.; VITTIKH, M.V.; SHAROVA, A.K.; CHUFAROVA, I.G.

Separation of germanium by an ion exchange method. Izv.Sib.otd. AN SSSR no.8:69-74 160. (MIRA 13:9)

1. Nizhne-Tagil'skoye otdeleniye Nauchno-issledovatel'skogo instituta plasticheskikh mass i Ural'skiy filial AN SSSR. (Germanium) (Ion exchange)

CHERNOEROV, S.M., otv. red.; LASKORIN, B.N., red.; KLYACHKO, V.A., red.; MATEROVA, Ye.A., red.; LANGE, A.Z., red.; VITTIKH, M.V., red.; SHOSTAK, F.T., red.; SAVENKO, O.D., red.; ZYKOVA, V.V., red.; GLAZYRINA, D.M., red.; ALFEROVA, P.F., tekhn. red.

[Theory and practice of ion exchange] Teoriia i praktika ionnogo obmena; trudy. Alma-Ata, Izd-vo AN Kaz.SSR, 1963. 186 p. (MIRA 17:3)

1. Kazakhstanskoye respublikanskoye nauchno-tekhnicheskoye soveshchaniye po ionnomu obmenu. 1962. (MIRA 17:3)

\$/0000/63/000/000/0094/0095

ACCESSION NR: AT4042427

AUTHOR: Samborskiy, I. V.; Vittikh, M. V.

TITLE: Accelerating the process of preparation of polyethylenepolyamines

SOURCE: Respublikanskoye nauchno-tekhnicheskoye soveshchaniye po ionnomu obmenu. Alma-Ata, 1962. Teoriya i praktika ionnogo obmena (Theory and practice of Ion exchange); trudy* soveshchaniya. Alma-Ata, Izd-vo AN Kazssk, 1963, 94-95

TOPIC TAGS: polyethylenepolyamine, resin, lon exchange resin, resin AN-2F, ethylenediamine, diethylenetriamine

ABSTRACT: The synthesis of a low-base anion exchange resin, AN-2F, was modified by reacting dichloroethane with gaseous ammonia in the presence of water, rather than in aqueous ammonia solution. The proportion of water in the mixture is reduced from 125% to 40% of the amount of reacting dichloroethane, and the temperature of the mixture, preheated to 110-115C, is maintained at 120-125C by the heat of reaction, varying the rate of ammonia supply. This technique permits simplification and reduction of the costs of the current AN-2F polyethylenepolyamine technology by eliminating two steps from the process: the preparation of the hydrochlorides of the polyethylenepolyamines, and decomposition of the hydrochlorides to yield the free bases. Small amounts of the light fractions of poly-Card 1/2....

ethylenepolyamines, such as ethylenediamine and diethylenetriamine, do not impair the properties of the AN-2F. The product obtained by the proposed method is in no way inferior to the product of the current technology.									
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ACCESSION NR: AT4042429

\$/0000/63/000/000/0099/0100

AUTHOR: Vittikh, M. V.; Aymanshin, I. A.

TITLE: 'The problem of the selection of solvents for the synthesis of lon exchange resins

SOURCE: Respublikanskoye nauchno-tekhnicheskoye soveshchaniye po ionnomu obmenu. Alma-Ata, 1962. Teoriya i praktika ionnogo obmena (Theory and practice of ion exchange) trudy* soveshchaniya. Alma-Ata, Izd-vo AN KazSSR, 1963, 99-100

TOPIC TAGS: resin, ion exchange resin, resin synthesis, polyethylenepolyamine, dibromoethane

ABSTRACT: The authors discuss the difficulties encountered in selecting common solvents for the reactants in the synthesis of certain ion exchange resins, due to the violent character of the reaction which necessitates limitation of the direct contact of the reactants. The problem is all the more difficult when polar substances interact with nonpolar. For the synthesis of an anion exchange resin from nonpolar polyethylenepolyamines and polar dibromoethane, the authors recommend the slow addition of 3:1 aqueous dibromoethane emulsion at 40-60C to a 1:1 aqueous polyethylenepolyamine solution. The dried gel is then crushed and sifted. The product is homogeneous and has adequate static exchange capacity, swelling abili-

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	ty and oxi used in th	dizabilit e synthes	y. The meth is of ion ex	od is suita change resi	ible for a la	rge variety o	f reactants	
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ACCESSION NR: AT4042419

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AUTHOR: Shostak, F. T.; Vittikh, M. V.; Savel'yeva, G. A.; Kozlov, G. 8.
Malinovskiy, L. 8.

TITLE: The influence of ultrasound on the kinetics of ion exchange

SOURCE: Respublikanskoye nauchno-tekhnicheskoye soveshchaniye po ionnomu obmenu. Alma-Ata, 1962. Teoriya i praktika ionnogo obmena (Theory and practice of ion exchange); trudy* soveshchaniya. Alma-Ata, Izd-vo AN KazSSR, 1963, 43-45.

TORIC TAGS: Ion exchange, ion exchange kinetics, ultrasound, cation exchange resin, anion exchange resin, resin regemenation

ABSTRACT: An UZGI-1.5 ultrasonic generator in an auto-exciting circuit with three GU-80 tubes fed without rectifying directly from a three-phase a.c. grid was used in a study of the effects of ultrasound on lon exchange in an acid cation exchange resin (KU-21) and two alkaline anion exchange resins (EDE-10P and AN-1). The H form of the cation exchange resin and the OH form of the anion exchange resins in 1.0 and 0.1 N aqueous solutions of KOH or 1.0, 0.1 and 0.01 N aqueous solutions of hydrochloric acid, respectively were exposed to ultrasound for 3, 7, 15, 25 and 45 minutes with an intensity of 3.0 w/cm^3 at room temperature. The tests generally showed that imposition of an ultrasonic field intensifies ion exchange in the initial stage, especially in the first 3-15 min. The effect of the field

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depends largely on the properties of the resin and the concentration of the solution. Regeneration of the AN-I resin by 5% Na₂CO₃ was accelerated almost 3.3 fold by ultrasound. Orig. art. has: 3 figures..

ASSOCIATION: Institut khimicheskikh nauk AN KazSSR (institute of Chemical Sciences, AN KazSSR); Kazgipropishcheprom

SUBMITTED: 13Nov63

SUB CODE: GC

NO REF SOV: 001

OTHER: 007

ZYKOVA, V.V.; VITTIKH, M.V.; MAREYEVA, L.D.

Synthesis of anionic excharge resins based on polyallylatine and polyepoxide compounds. Report No.2: Effect of the separate factors of anionite synthesis on thermal stability in aqueous media. Trudy Inst. khim. nauk AN Kazakh. SSR 11:89-94 '64. (MIRA 17:11)

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AUTHOR: Zykova, V.V., Vittikh, M.V.	V., Mareyeva, L.D.
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ACCESSION NR: AT5001008

and AN-2F, although in some respects stability varied significantly with the feed ratio used for preparation of the resin. Optimal properties were obtained at the weight ratio 10:4:2:15 for polyallylamine: epichloron/drin: diglycidol ether:water. Niglycidol ether was prepared by a published method (Brit. Patent 518, 571, 1938). The ion-exchange capacity of 3 tables 4 figures and 4 through the stables at the stables at the stables and the stables at the st

ASSOCIATION: Institut khimicheskikh nauk. Akademiya nauk Kazakhskoy SSR (Institute of Chemical Sciences, Academy of Sciences of the Kazakh SSR)

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28501-66 ENT(d) ACC NR: AP6007541 SOURCE CODE: UR/0410/65/000/006/0103/0109

AUTHOR: Vittikh, V. A. (Novosibirsk)

8

ORG: none

TITLE: Investigation of noise rejection in some adaptive digitizers of measuring

signals

SOURCE: Avtometriya, no. 6, 1965, 103-109

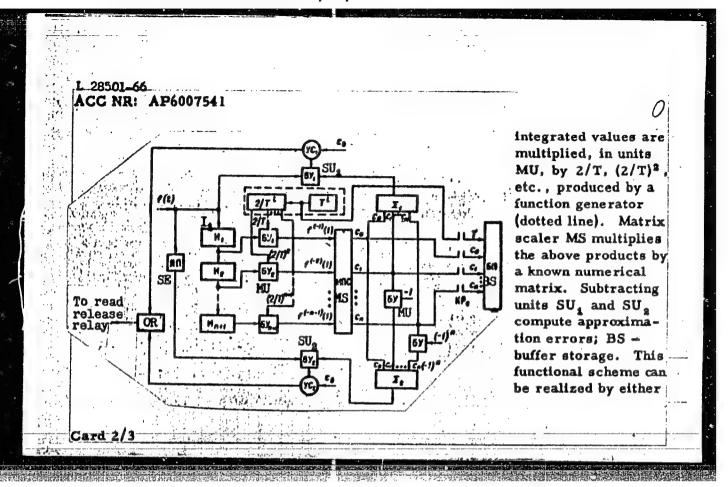
TOPIC TAGS: electric measurement, digitizer, noise rejection, signal enalysis,

random noise signal, electronic circuit

ABSTRACT: As noise rejection often determines the type of equipment for compressing measuring information, this article investigates the noise rejection of various algorithms used for adaptive digitizing. In a Legendre-type adaptive digitizer (see figure), signal f(t) at time t = 0 is fixed in a storage element SE and then applied to integrator I ; the output is applied to I; and so on. The

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ACC NR: AP6007541

analog or digital computer, the second being preferable for practical reasons. A simplified version of the above scheme permits obtaining high compression ratios in the cases when the signals are accompanied by random Gaussian noise of a higher frequency. It is found that the noise rejection of adaptive-digitalizing algorithms based on orthogonal Legendre polynomials is higher that that of algorithms based on differentiation. Orig. art. has: 2 figures, 3 formulas, and 3 tables.

SUB CODE: 09 / SUBM DATE: 25May65 / ORIG REF: 004

Card 3/3 (U)

VITTIKH, V.A. (Novosibirsk); GINZBURG, A.N. (Novosibirsk)

Optimal discretization of measurement signals. Avtometria no.3:
26-33 '65.

(MIRA 19:1)

1. Submitted Sept. 15, 1964.

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·L 11119-66

ACC NR. AP6002011

SOURCE CODE: UR/0288/65/000/003/0037/0041

AUTHOR: Vittikh, V. A.; Ginzburg, A. N.; Kulikovskiy, K. L.

ORG: Institute of Automatic and Electrometry, Siberian Branch, AN SSSR (Institut avtomatiki i elektrometrii Sibirskogo otdeleniya AN SSSR)

TITLE: Determining the maximum deflection angle of the moving component of an electrometer

SOURCE: AN SSSR. Sibirskoye otdeleniye. Izvestiya. Seriya tekhnicheskikh nauk, no. 3, 1965, 37-41

TOPIC TAGS: electrometer, electrometric amplifier

ABSTRACT: Sensitivity of an electrometric amplifier depends, among other things, on the maximum permissible angle θ of deflection of the moving component of the electrometer; hence, increasing the electrometer range may result in considerably higher output of the amplifier. Formulas are developed which permit determining $\theta_{\rm max}$ from a specified nonlinearity of the torque-deflection angle ratio; the torque

curve is approximated by Chebyshev polynomials. A 9-step computation procedure is suggested. Orig. art. has: 20 formulas.

SUB CODE: 09 / SUBM DATE: 23Mar65 / ORIG REF: 002 / OTH REF: 001

Card 1/1 +11

UDC:621.317.745:621.317.723

VITTIKH, V.A. (Hovosibirsk); GINZRURG, A.N. (Nevosibirsk)

Algorithm for data collection control. Avtometriia no.4:
28-35 '65.

(MIRA 18:9)

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VITTIKH, V.A.; GINZBURG, A.N.; KULIKOVSKIY, K.L.

Determining maximum angle of deflection of the movable part of an electrometer. Izv. SO AN SSSR no. 10. Ser. tekh. nauk no. 3:37-41 165 (MIRA 19:1)

1. Institut avtomatiki i elektrometrii Sibirskogo otdeleniya AN SSSR, Novosibirsk. Submitted March 23, 1965.

L 47055-66 ENT(d)/FSS-2/EEC(k)-2/EMP(v)/T-2/EMP(k)/EMP(h)/EMP(i) SOURCE CODE: UR/0410/65/000/003/0026/0033 ACC NR: AP6015323 AUTHOR: Vittikh, V. A. (Novosibirsk); Ginzburg, A. N. (Novosibirsk) ORG: none TITLE: Optimal encoding of telemetry signals [Paper presented at the Sixth All-Union Conference on Automatic Control and Electric Measurement Methods held in Novosibirsk in September 1964] SOURCE: Avtometriya, no. 3, 1965, 26-33 TOPIC TAGS: telemetry technique, error minimization, dynamic programming, signal coding, successive approximation method ABSTRACT: Optimal encoding of fully known continuous signals, considered as determined functions of time, is discussed mathematically. The problem reduces itself to the minimization of some error functional, or to determining the minimal value of ϵ -entropy by successive approximation. Dynamic programming is deemed preferable to standard methods of classic analysis, even though it requires the employment of a universal digital computer. Orig. art. has: 23 formulas. SUB CODE: 09,12/ SUBM DATE: 15Sep64/ ORIG REF: 004/ OTH REF: 008 UDC: 62-503

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860130001-1

ACC NR: AP\$15382 (N)

SOURCE CODE: UR/0410/65/000/004/0028/0035

AUTHOR: Vittikh, V. A. (Novosibirsk); Ginzburg, A. N. (Novosibirsk)

ORG: none

TITLE: One algorithm for the control of information collection | b|

SOURCE: Avtometriya, no. 4, 1965, 28-35

TOPIC TAGS: algorithm, data acquisition, Legendre polynomial, automatic control design, analog digital converter

ABSTRACT: The authors consider an algorithm for the control of information collection from the source of a continuous signal. Based on the use of orthogonal Legendre polynomials and lacking any differentiation step, the algorithm possed sees certain filtration properties due to a double integration of the signal with noise. The structural principle of adaptive discretizers based on the use of Legendre polynomials is analyzed, and it is shown that the error incurred in the uniform approximation of a signal by zero—and first—order orthogonal Legendre polynomials can be rather easily computed. By establishing the relation of this error to the linear integration error of the signal, a functional diagram of an information collection control device for use with this algorithm is presented. In essence, this device controls the time the

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test signal is connected to the analog-digital converter. The algorithm discussed for the control of information collection from a continuous signal source is an interpolation algorithm. Unlike well-known extrapolation algorithms, which are based on a prediction of signal properties from the value of the signal itself and its derivatives at a point t=0 and which are less flexible (since the approximation line does not undergo a parameter change as the time segment is increased) this algorithm makes it possible to obtain large compression factors. Moreover, using as it does orthogonal Legendre polynomials, this algorithm is superior to extrapolation algorithms in terms of its noise-suppression characteristic because it employs a double integration of the signal. Orig. art. has: 2 figures and 5 formulas.

SUB CODE: 05,12,09/ SUBM DATE: 10Apr65/ CRIG REF: 006

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! ACC NR: AT7004921

SOURCE CODE: UR/0000/66/000/000/0013/0019

AUTHOR: Vittikh, V. A. (Novosibirsk); Ginzburg, A. N. (Novosibirsk); Drobyshev, Yu. P. (Novosibirsk)

ORG: none

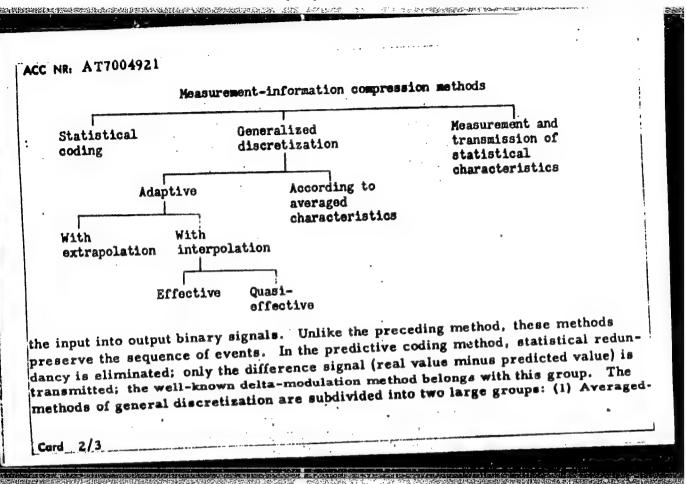
TITLE: Methods of measurement signals compression [Classification and review]

SOURCE: Vses. konf. po avtomatich. kontrol i metodam elektrich. izmereniy, 6th, 1964. Avtomatich. kontrol' i metody elektrich. izmereniy; tr. konf., t. I: Teoriya izmerit. info. sistem (Automatic control and electrical measuring techniques; transactions of the conference, v. 1: Theory of measuring information systems). Novosibirsk, Izd-vo Nauka, 1966, 13-19

TOPIC TAGS: measurement, information processing, data processing, information compression.

ABSTRACT: Based on ten 1955-66 Soviet sources and one 1962 U.S. source, a classification diagram (see figure) is presented, and modern information-compression methods are reviewed. Compression of information by measuring signal statistics (H. Blasbalg et al., IRE Trans., no. 3, Sep 1962) is explained. Another group of methods (statistical coding) using signal statistics converts a sequence of messages at

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ACC NR: AT7004921

characteristic group in which the quantization interval is either selected from the maximum frequency of signal spectrum (Kotel'nikov's theorem) or is set under the correlation interval (continuous quasi-stationary signals with unlimited spectrum); in both cases, the quantization interval is constant; (2) Adaptive methods in which the quantization interval is variable; it depends on the present signal characteristic (e.g., its present derivative). The choice of compression method depends on the demands of the information recipient, viz., on the proximity criteria, complexity of materialization, permissible signal delay, etc. Methods of compression of signal connected with the reduction of its entropy seem promising; of these, most efficient are the methods of generalized adaptive discretization with extrapolation or interpolation of signals. Orig. art. has: 2 figures and 11 formulas.

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 010 / OTH REF: 001

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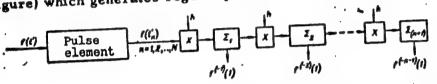
	是我们的自己的人,我们们也是是一个人,也不是一个人,但是我们的人的人,我们就是这个人的人,也不是一个人的人,也不是一个人,也不是一个人的人,也不是一个人,也不是 第一个人,我们就是我们的人,我们就是我们的人,我们就是一个人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是
ACC NR: AT7004922 AUTHOR: Vittikh, V. A. (N Drobyshev, Yu. P. (Novosib	SOURCE CODE: UR/0000/66/000/000/0020/0023 ovosibirsk); Ginzburg, A. N. (Novosibirsk); irsk)
SOURCE: Vses. konf. po av 1964. Avtomatich. kontrol'izmerit. info. sistem (Autotransactions of the conferen Novosibirsk, Izd-vo Nauka, TOPIC TAGS: measurement compression ABSTRACT: Assuming that error are permissible, the measurement signals is sugfunction series within inter-	t, information processing, data processing,
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ACC NR: AT7004922

by the matrix $A = \begin{bmatrix} \hat{P}_{\bullet}(b), 0 & \dots & 0 \\ \hat{P}_{1}(b), \hat{P}_{1}^{(1)}(b), \dots & 0 \\ \vdots & \vdots & \ddots & \vdots \\ \hat{P}_{n}(b), \hat{P}_{n}^{(1)}(b), \dots & \hat{P}_{n}^{(n)}(b) \end{bmatrix}$ or $\begin{bmatrix} c_{\bullet} \\ c_{1} \\ \vdots \\ c_{n} \end{bmatrix} = d \cdot A$

Here, A remains constant and d depends on f(t); hence, it is sufficient to transmit components of d which are the results of successive integrations

of f(t) or a modified function f(t'). The latter is applied to a pulse element (see figure) which generates regular pulses corresponding to the function values and sends them to multiplying



them to multiplying unit x which multiplies them by the integration interval h. A series of summators prepares final signals. The

system can be further simplified in the cases where multiplying-by-h operations can be performed at the receiving end. The method is offered for telemetry systems, particularly for the cases where the automatic processing at the transmitting end must be simple. Orig. art. has: 2 figures and 13 formulas.

SUB CODE: 09 / SUBM DATE: none / ORIO REF: 006

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S/044/61/000/010/024/051 C111/C222

AUTHOR:

Vitting, G.

TITLE:

On the instable form of boundary layer equations of Prandtl

PERIODICAL: Referativnyy zhurnal. Matematika, no. 10, 1961, 53, abstract 10 B 240. ("Probl. pogranich. sloya i vopr.

teploperedachi" M.L., Gosenergoizdat, 1960, 284-292)

TEXT: For the solution u(x,y), v(x,y) of the boundary layer equations in the form of Prandtl the author considers small perturbations of the velocity vector $\xi(x,y)$, $\eta(x,y)$:

 $\mathcal{E} = \operatorname{Ce}^{\alpha (x+i) \mathcal{S}_y}$, $\mathcal{I} = \operatorname{De}^{\beta (x+i) \mathcal{S}_y}$ (\mathcal{S} , \mathcal{I} --real)

It is stated that in those points where $u \geqslant 0$ and $uu_x + vu_y > 0$ the small perturbations fade in the direction of the flow (Re \propto , $\beta < 0$). The author discusses the question on the limit of the set of those points, i.e. the question of the limit of stability of the equations. The author considers the application of several variants of the difference method for a numerical integration of the boundary layer equations. It is Card 1/2

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remarked that a numerically stable approximation of the difference method is realizable only outside a narrow wall zone of the flow in the above mentioned region of stability of the equations.

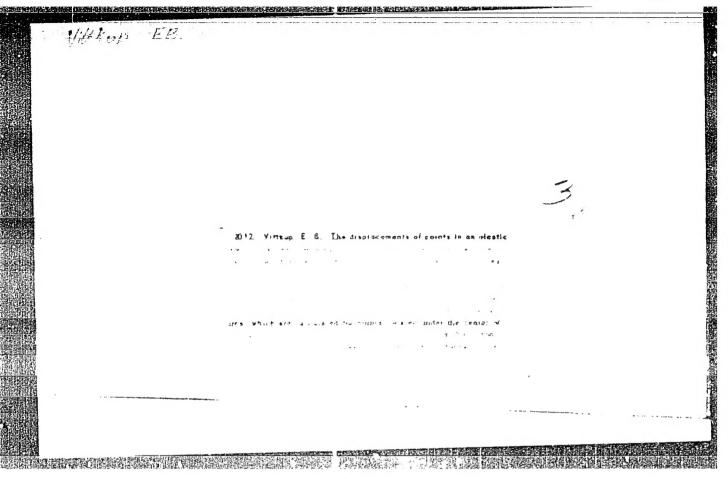
Reviewer's remark: The translations of the preceding three reviewed papers contain many misprints and terminological errors by which it is very difficult to understand the contents.

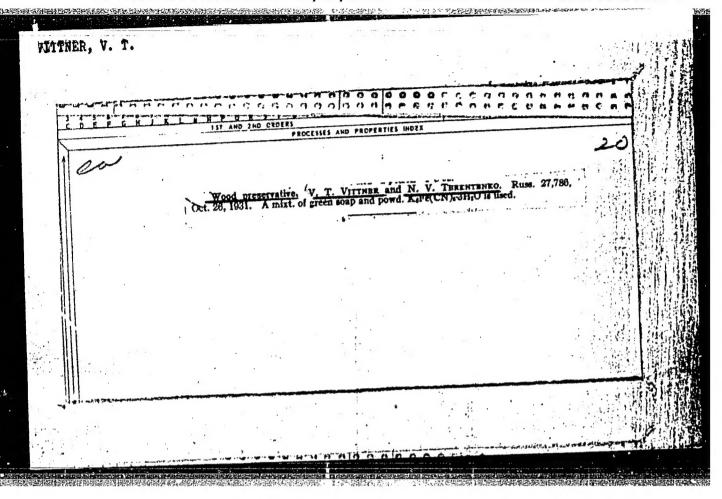
[Abstracter's note : Complete translation.]

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